



Gen Corr

Interstate Mining Compact Commission

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July 1, 2014

RECEIVED

JUL 08 2013

DIV. OF OIL, GAS & MINING

MEMORANDUM

TO: All State Noncoal Regulatory Authorities

FROM: Beth A. Botsis, Director of Programs

RE: Update of IMCC 2008 Noncoal Mineral Resources Report: Input Requested

As many of you may recall, in 2008 the Interstate Mining Compact Commission (IMCC) published its most recent "Noncoal Mineral Resources Report". This report is one of the most requested and utilized documents that IMCC has published to date. It has been used and referenced in the past by the U.S. General Accountability Office (GAO), the National Academy of Sciences, the Congressional Research Service and many federal agencies. Therefore, we would like to keep the report as accurate and up to date as possible and we need your help in reviewing and providing any corrections or changes to the data reflected in the report for your state. Enclosed is a copy of the original blank questionnaire from which the data for the report was compiled. We would appreciate your help in reviewing your state's information in the report and submitting any necessary updates via the enclosed questionnaire to IMCC by August 1, 2013. The 2008 completed report can be viewed on IMCC's website at the following link: <http://www.imcc.isa.us/NonCoal/NoncoalReportFinal2008.pdf>. Also, if your state's information is not currently reflected in the report and you would like to be included, we welcome you to submit the completed questionnaire so that we can add your state's information to the updated version of the report.

Please pass this request on to the appropriate person(s) in your state if you are not that person. Corrections and completed questionnaires should be mailed to the IMCC office at the address on this letterhead. If you have any questions, call the IMCC office, or email Beth Botsis at bbotsis@imcc.isa.us. If you prefer to scan and submit the questionnaire electronically via email, you can also send it to the same email address.

Thank you in advance for your help in updating this important resource. Your time and efforts are greatly appreciated.

Enclosure

"Serving the States for Over 40 Years"

IMCC Noncoal Minerals Questionnaire

1. State Programs

Survey of State Noncoal Mining Regulatory Programs. Please forward the survey link to the appropriate contact in your state and submit only ONE survey per state.

1. Indicate Your State:

2. Does your state currently regulate the SURFACE MINING of noncoal minerals on:

- ☐ Federal Lands
- ☐ State Lands
- ☐ Indian Lands
- ☐ Private Lands
- ☐ Other (please specify)

3. Does your state currently regulate the UNDERGROUND MINING of noncoal minerals on:

- ☐ Federal Lands
- ☐ State Lands
- ☐ Indian Lands
- ☐ Private Lands
- ☐ Other (please specify)

IMCC Noncoal Minerals Questionnaire

4. What area(s) are regulated for SURFACE MINING?

- ☒ Public Health and Safety
- ☒ Mining Operations
- ☒ Reclamation
- ☒ Processing Plants
- ☒ Loading Facilities
- ☒ Environmental Controls
- ☒ Exploration Drilling
- ☐ Blasting
- ☐ Other (please specify)

5. What area(s) are regulated for UNDERGROUND MINING?

- ☒ Public Health and Safety
- ☒ Mining Operations
- ☒ Reclamation
- ☒ Processing Plants
- ☒ Loading Facilities
- ☒ Environmental Controls
- ☒ Exploration Drilling
- ☐ Blasting
- ☐ Other (please specify)

6. Date of legislation establishing your state's regulatory authority:

7. Date(s) of any amendment(s) to legislation establishing your state's regulatory authority:

IMCC Noncoal Minerals Questionnaire

8. Has your state ever regulated the mining of noncoal minerals?

☐ Yes

☐ No

9. If you do not currently regulate the mining of noncoal minerals, but have in the past:

When was law in
place?

When was law
repealed?

10. Source(s) of Operating Fund (Check Applicable Source(s)):

☐ General Revenue

☐ Operator Fees (Permit Fees)

☐ Fines, Penalties

☐ Federal Funding

☐ Special Taxes (Severance, etc.)

☐ Other

☐ Please Specify Type(s) of Special Taxes, If Applicable, and Any Other Source(s) of Operating Fund Not Listed

IMCC Noncoal Minerals Questionnaire

2. Regulatory Framework

If your state regulates the mining of noncoal minerals, please answer the following:

11. Have you promulgated SURFACE MINING regulations for noncoal minerals?

☒ Yes

☐ No

☒ If yes, when?

Last amended in 2012

12. For SURFACE MINING do you require a PERMIT?

☐ Yes

☐ No

☐ Please specify duration, whether it's renewable, how often it's renewable, and whether it's transferable:

13. For SURFACE MINING do you require a LICENSE?

☐ Yes

☐ No

☐ Please specify duration, whether it's renewable, how often it's renewable, and whether it's transferable:

14. For SURFACE MINING do you require a RECLAMATION PLAN?

☒ Yes

☐ No

☐ Please specify duration, whether it's renewable, how often it's renewable, and whether it's transferable:

Required for large mines
which are over ten acres

outside incorporated areas or over
five acres inside incorporated areas.

IMCC Noncoal Minerals Questionnaire

15. For SURFACE MINING do you require any other authorizing document(s)?

☐ Yes

☐ No

☐ Please specify type(s), duration, whether it's renewable, how often it's renewable, and whether it's transferable:

16. Have you promulgated UNDERGROUND MINING regulations for noncoal minerals?

☐ Yes

☐ No

☐ If yes, when?

17. For UNDERGROUND MINING, do you require a PERMIT?

☐ Yes

☐ No

☐ Please specify duration, whether it's renewable, how often it's renewable, and whether it's transferable:

18. For UNDERGROUND MINING do you require a LICENSE?

☐ Yes

☐ No

☐ Please specify duration, whether it's renewable, how often it's renewable, and whether it's transferable:

IMCC Noncoal Minerals Questionnaire

19. For UNDERGROUND MINING do you require a RECLAMATION PLAN?

☐ Yes

☐ No

☐ Please specify duration, whether it's renewable, how often it's renewable, and whether it's transferable:

20. For UNDERGROUND MINING do you require any other authorizing document(s)?

☐ Yes

☐ No

☐ Please specify type(s), duration, whether it's renewable, how often it's renewable, and whether it's transferable:

21. Does your state provide for an exemption from permitting?

☐ Yes

☐ No

☐ If so, for what categories?

22. Is any HYDROLOGY premining environmental data required as part of the application?

☐ Yes

☐ No

☐ If yes, what types of data:

IMCC Noncoal Minerals Questionnaire

23. Is any GEOLOGY premining environmental data required as part of the application?

☐ Yes

☐ No

☐ If yes, what types of data?

24. Is any LAND USE/ZONING premining environmental data required as part of the application?

☐ Yes

☐ No

☐ If yes, which types of data?

25. Is any AIR QUALITY premining environmental data required as part of the application?

☐ Yes

☐ No

☐ If yes, which types of data?

26. Is any HISTORICAL/ARCHEOLOGICAL IMPACT premining environmental data required as part of the application?

☒ Yes

☐ No

☐ If yes, what types of data?

Baseline information

is required but not as part of the Utah Mines Land Reclamation Act.

IMCC Noncoal Minerals Questionnaire

27. Is any OTHER premining environmental data required as part of the application?

☐ Yes

☐ No

☐ Yes (Please specify what data and types)

28. What lateral distance prohibitions or special requirements exist with regard to ADJACENT PROPERTIES (churches, occupied dwellings, schools, etc.)?

29. What lateral distance prohibitions or special requirements exist with regard to PUBLIC ROADS?

30. What lateral distance prohibitions or special requirements exist with regard to PUBLIC UTILITIES (telephone, gas and power lines)?

31. What lateral distance prohibitions or special requirements exist with regard to GAS/OIL WELLS?

32. What lateral distance prohibitions or special requirements exist with regard to RIVERS/STREAMS?

33. What lateral distance prohibitions or special requirements exist with regard to SIGNIFICANT HISTORIC FEATURES?

34. What lateral distance prohibitions or special requirements exist with regard to WETLANDS?

35. What lateral distance prohibitions or special requirements exist with regard to MINING DEPTH (AND PROXIMITY TO ADJOINING PROPERTY)?

IMCC Noncoal Minerals Questionnaire

36. What lateral distance prohibitions or special requirements exist with regard to PUBLIC WATER SUPPLIES?

37. What lateral distance prohibitions or special requirements exist with regard to GROUNDWATER PROTECTION?

38. What lateral distance prohibitions or special requirements exist with regard to BLASTING?

39. Is an evaluation of the lateral distance issues above conducted during permit review?

☐ Yes

☐ No

☐ If so, please specify for which issues:

40. Describe the statutory authority to enter and inspect mining operations:

	Yes	No
Is entry pursuant to administrative authority?	<input type="radio"/>	<input type="radio"/>
Is prior notice required?	<input type="radio"/>	<input type="radio"/>
Are police powers required to enter?	<input type="radio"/>	<input type="radio"/>

41. Is a PERMIT FEE required for UNDERGROUND MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

IMCC Noncoal Minerals Questionnaire

42. Is a **LICENSE FEE** required for **UNDERGROUND MINING**?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

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43. Is a **RECLAMATION FEE** required for **UNDERGROUND MINING**?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

44. Is an **APPLICATION FEE** required for **UNDERGROUND MINING**?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

45. Is an **ACREAGE FEE** required for **UNDERGROUND MINING**?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

IMCC Noncoal Minerals Questionnaire

46. Is a SEVERANCE TAX required for UNDERGROUND MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

47. Are any OTHER FEES required for UNDERGROUND MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

48. Is a PERMIT FEE required for SURFACE MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

49. Is a LICENSE FEE required for SURFACE MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

IMCC Noncoal Minerals Questionnaire

50. Is a RECLAMATION FEE required for SURFACE MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

51. Is an APPLICATION FEE required for SURFACE MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

52. Is an ACREAGE FEE required for SURFACE MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

53. Is a SEVERANCE TAX required for SURFACE MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

IMCC Noncoal Minerals Questionnaire

54. Are any OTHER FEES required for SURFACE MINING?

☐ Yes

☐ No

☐ If yes, please indicate fee amount, renewal fee, and modification or amendment fee:

--

55. Check appropriate box(es) if your law provides for a public comment process and/or a public hearing to be held at the REGULATORY DEVELOPMENT stage:

☐ Public Comment Process

☐ Public Hearing

☐ If yes, indicate time period(s) for the public comment process and/or public hearing:

--

56. Check appropriate box(es) if your law provides for a public comment process and/or a public hearing to be held at the PERMIT REVIEW stage:

☐ Public Comment Process

☐ Public Hearing

☐ If yes, indicate time period(s) for the public comment process and/or public hearing:

--

57. Check appropriate box(es) if your law provides for a public comment process and/or a public hearing to be held at the BOND RELEASE stage:

☐ Public Comment Process

☐ Public Hearing

☐ If yes, indicate time period(s) for public comment process and/or public hearing:

--

IMCC Noncoal Minerals Questionnaire

58. Check appropriate box(es) if your law provides for a public comment process and/or a public hearing to be held at the CITIZEN COMPLAINT stage:

☐ Public Comment Process

☐ Public Hearing

☐ If yes, indicate time period(s) for public comment process and/or public hearing:

59. Check appropriate box(es) if your law provides for a public comment process and/or a public hearing to be held at any OTHER stage:

☐ Public Comment Period

☐ Public Hearing

☐ If yes, indicate at which stage and time period(s) for public comment period and/or public hearing:

60. What types of appeal procedures does your law provide for (e.g. administrative, judicial)?

61. How long after a public hearing until a permit decision is required?

62. Is financial assurance required?

☐ Yes

☐ No

63. If financial assurance is required, check box(es) for types of financial assurance or other instruments which are used to guarantee compliance:

☐ Performance Bond

☐ Insurance Coverage

☐ Reclamation Bond

☐ Other (please specify)

IMCC Noncoal Minerals Questionnaire

64. If financial assurance is required, what areas are required to be bonded (i.e. entire permit area; proposed affected area; haul roads; processing or stockpile areas)?

65. Check box(es) for any type(s) of financial assurance which are acceptable:

- ☐ Certificate of Deposit
- ☐ Surety
- ☐ Collateral
- ☐ Letters of Credit
- ☐ Mortgage of Real Estate
- ☐ Self-Bonding
- ☐ Bond Pool
- ☐ Trust Funds/Annuities
- ☐ Life Insurance
- ☐ Other (please specify)

66. What is the amount per acre required under your bonding procedure? (If a rate structure applies, please provide a copy to IMCC by email or regular mail.)

Amount is normally calculated based on reclamation plan for large mines. Board-approved costs per acre

67. If bond is forfeited, is there a mechanism for permit blocking? Used for small

- ☐ Yes
- ☐ No

mines. Currently
(2013) \$5200 - \$5600/
acre plus mobilization
depending on escalation
and size of mine.

IMCC Noncoal Minerals Questionnaire

68. Check box(es) for any of the following enforcement procedure(s) which are available under your program:

- ☐ Notice of Violation
- ☐ Cessation Order
- ☐ Compliance/Consent Order
- ☐ Civil Penalty
- ☐ Suspension and Revocation of Permit
- ☐ Injunction
- ☐ Temporary Restraining Order
- ☐ Criminal Penalties
- ☐ Other (please specify)

69. Are there penalty or sentencing guidelines?

- ☐ Yes
- ☐ No

70. Are civil penalty assessments based upon the seriousness of the violation?

- ☐ Yes
- ☐ No

71. Is there a post closure program for long term abatement situations?

- ☐ Yes
- ☐ No

72. Is there a financial obligation attached to the post closure program, if applicable?

- ☐ Yes
- ☐ No

IMCC Noncoal Minerals Questionnaire

73. Does your law and/or rules, regulations, or policies provide specific standards for the following mining and reclamation activities?

	Laws:	Regs:	Policies:
Debris and Contaminant Removal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Backfilling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sloping/Grading (Land Leveling)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Erosion Control (Topsoiling)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mulching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drainage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Temporary Vegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Permanent Vegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blasting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fugitive Dust	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water Quality	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water Quantity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Disposal of Processing Waste	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fly Ash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fish and Wildlife	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cultural Resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

74. For "other" in previous question, please specify:

IMCC Noncoal Minerals Questionnaire

75. Estimate by PERCENT the post-mining land uses following completion of reclamation activities:

Grassland/Pastureland	<input type="text"/>
Woodland/Foestland	<input type="text"/>
Wildlife	<input type="text"/>
Water (Lakes and Ponds)	<input type="text"/>
Residential/Commercial	<input type="text"/>
Recreation	<input type="text"/>
Cropland	<input type="text"/>
Other (Specify)	<input type="text"/>

76. Are there contemporaneous reclamation requirements?

☒ Yes

☐ No

☐ If so, what are the specific conditions and timeframes?

Disturbed areas to be reclaimed when no longer needed.

77. Does your state law or regulation specify an end date once a permit is issued?

☐ Yes

☐ No

☐ If yes, what is the specified date?

IMCC Noncoal Minerals Questionnaire

3. Abandoned Mine Lands

78. Does your law provide incentives for reclaiming pre-law affected lands?

☐ Yes

☐ No

79. If your law does provide incentives for reclaiming pre-law affected lands, check box(es) for types of incentives that apply:

☐ Bond Credits

☐ Fee Waiver or Reduction

☐ Exemption from Certain Reclamation Standards

☐ Good Samaritan Liability Limitations

☐ Other (please specify)

--

80. Does your law provide that an operator may reclaim pre-law affected land in lieu of reclaiming land affected under the existing permit as part of the current reclamation plan?

☐ Yes

☐ No

81. Does your state have specific regulations regarding remining?

☐ Yes

☐ No

82. Does your state have a noncoal AML inventory or an estimate of the extent of abandoned noncoal mineral lands?

☐ Yes

☐ No

IMCC Noncoal Minerals Questionnaire

83. If yes to the previous question, please provide a characterization of that inventory or estimate below:

Number of Mine Openings

Number of Hazardous Structures

Acres of Mine Dumps

Acres of Disturbed Land

Acres of Subsidence Prone Areas

Miles of Highwall

Miles of Polluted Water

Total Number of Abandoned Acres

Total Number of Abandoned Mine Sites

84. Does your state have an abandoned mine land program for noncoal minerals?

☐ Yes

☐ No

85. Are there any mining regulations for the reclamation of abandoned lands?

☐ Yes

☐ No

86. Are any funds from the SMCRA AML fund used for noncoal AML work?

☐ Yes

☐ No

87. Are other state funds available for noncoal AML work?

☐ Yes

☐ No

☐ If so, identify source (e.g. royalty, special tax, etc.)

IMCC Noncoal Minerals Questionnaire

4. Personnel and Administration

88. Is the noncoal law administered by the same agency/division/section as the coal law?

☐ Yes

☐ No

☐ If not, what agency/division/section administers the noncoal law?

89. How many full-time employees are assigned to the noncoal minerals program?

90. What is the annual operating budget for your noncoal regulatory program?

91. Are the following areas of regulatory responsibility handled by the same agency/division/section that permits noncoal minerals?

	Yes	No
NPDES	<input type="checkbox"/>	<input type="checkbox"/>
Air	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater	<input type="checkbox"/>	<input type="checkbox"/>
Mine Waste	<input type="checkbox"/>	<input type="checkbox"/>
Hazardous/Solid Waste	<input type="checkbox"/>	<input type="checkbox"/>
Dam Safety	<input type="checkbox"/>	<input type="checkbox"/>
Mine Safety and Health	<input type="checkbox"/>	<input type="checkbox"/>

92. For any areas checked "no" in the previous question, please indicate the name of other agency/division/section that is responsible for that area:

NPDES	<input type="text"/>
AIR	<input type="text"/>
Groundwater	<input type="text"/>
Mine Waste	<input type="text"/>
Hazardous/Solid Waste	<input type="text"/>
Dam Safety	<input type="text"/>
Mine Safety and Health	<input type="text"/>

IMCC Noncoal Minerals Questionnaire

5. Statistics

93. Number of regulated noncoal operations (inspectible units) in the state:

Underground

Surface

664 total

374

66478

493

66411

94. Number of acres under permit:

95. Average acres reclaimed per year:

96. Is there a minimum number of site inspections required per year?

☐ Yes

☒ No

97. If yes to previous question, how many site inspections are required per year (indicate whether per calendar year, fiscal year, monthly, quarterly, etc.)?

98. How many inspections were actually conducted on regulated noncoal mines (inspectible units in earlier question) for the most recent calendar year? (Please specify year)

99. Estimated number of non-regulated or exempt mining operations (if applicable):

Underground

Surface

IMCC Noncoal Minerals Questionnaire

100. Among the following list of mineral commodities, indicate which are CURRENTLY BEING PRODUCED in your state and whether they are regulated:

	Surface Regulated	Surface Non-Regulated	Underground Regulated	Underground Non-Regulated
Abrasive Materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Antimony	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Asbestos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Barite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bauxite and Alumina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Beryllium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bismuth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boron	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bromide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cadmium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calcium & Calcium Compounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chromium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clays (Kaolin, Common Clay, Fuller's Earth)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cobalt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Columbium & Tantalum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diatomite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feldspar, Nepheline Syenite, & Aplite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ferroalloys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fluorspar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gallium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gem Stones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Graphite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gypsum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Helium	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Iron Ore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

IMCC Noncoal Minerals Questionnaire

Iron Oxide Pigments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iron & Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iron & Steel Scrap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kyanite & Related Materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lead (Galena)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lightweight Aggregate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lignite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limestone & Dolomite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lithium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Magnesium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Magnesium Compounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manganese	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mercury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mica Sericite (Scrap Mica)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Molybdenum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nickel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nitrogen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oil Shale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Peat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perlite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phosphate Rock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Platinum-Grown Materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Potash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pumice & Volcanic Cinder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rare-Earth Minerals & Metals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phenium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Salt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sand & Gravel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sand -- Silica	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Silicon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Silver	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slag-Iron & Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sodium Compounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stone (Crushed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stone (Dimension)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sulfur & Pyrites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tar Sands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Talc & Pyrophyllite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thorium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Titanium <i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Topsoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tungsten <i>X</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uranium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vanadium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vermiculite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zinc (Sphalerite)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zirconium & Hafnium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

101. Among the following list of MINOR METALS mineral commodities, indicate which are CURRENTLY BEING PRODUCED in your state and whether they are regulated:

	Surface Regulated	Surface Non-Regulated	Underground Regulated	Underground Non-Regulated
Arsenic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cesium & Rbodium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Germanium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thallium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Magnetite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Selenium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tellurium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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102. Among the following list of MINOR NON-METALS mineral commodities, indicate which are CURRENTLY BEING PRODUCED in your state and whether they are regulated:

	Surface Regulated	Surface Non-Regulated	Underground Regulated	Underground Non-Regulated
Asphalt -- Native	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bentonite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greensand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iodine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meerschaum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zeolites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quartz Crystal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staurolite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strontium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wollastonite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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6. Additional Data

103. What are the most significant problems in noncoal minerals mining in your state? (Place and "X" for all that apply and rank the top five):

Blasting	<input type="text" value="5"/>
Fugitive Dust	<input type="text" value="4"/>
Water Quality	<input type="text" value="3"/>
Visual Screening	<input type="text"/>
Safety	<input type="text"/>
Reclamation	<input type="text" value="2"/>
Land Use/Zoning	<input type="text"/>
Groundwater Withdrawal	<input type="text"/>
Ground Dewatering	<input type="text"/>
Sinkholes/Subsidence	<input type="text"/>
Erosion/Sedimentation	<input type="text"/>
Traffic	<input type="text"/>
Reclamation Bonds	<input type="text" value="1"/>
Noise	<input type="text"/>
Other (Specify)	<input type="text"/>

104. Does your agency or do related agencies have special experience in any of the following areas that can be made available to others? (Check all that apply)

- ☒ Blasting
- ☒ Operation of Seismograph
- ☒ Water Quality
- ☒ Air Quality
- ☒ Sinkholes (Formation, Prevention)
- ☒ Endangered Species
- ☒ Public Safety/Mine Safety
- ☒ Hazardous Wastes as defined by RCRA and/or TSCA
- ☐ Noise
- ☒ Resource Evaluation
- ☒ Erosion Control
- ☒ Revegetation
- ☒ Mine Engineering/Planning
- ☒ Mining Geology
- ☒ Hydrology

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105. List publications developed in your state that may be useful to other states. Identify as to type (technical, general information, legislative, etc.). Please provide date of publication and contact person for this information:

106. What is the value and amount of noncoal mineral production in your state for the last year of record?

Year
Value
Tonnage

107. If available, please provide a web site address where a copy of your state's current noncoal minerals law(s) and regulations (as identified on the first page of this questionnaire) can be obtained. If unavailable online, please provide a copy of these materials on disk to IMCC at 445-A Carlisle Drive, Herndon, VA 20170.

rules: www.rules.utah.gov/publicat/code/r647/r647.htm

108. Any Other Comments:

Act: le.utah.gov/UtahCode/section.jsp?code=40-8

109. Contact Person in Your State for Noncoal Minerals:

Name
Title
Agency Name
Address
Telephone Number
Email Address

110. Thank you for taking the time to fill out and submit this questionnaire. You will be sent a copy of the updated "IMCC Noncoal Minerals Report" when it becomes available. We welcome any comments about this online survey experience you would like to share with us below.